Robotics & Automation Technology

Again this year, teams will be required to supply their own computer (or rent one) to use at the contest. That computer MUST be a full PC based system (no MAC’s, Linux, NetBooks, etc.). In addition, teams will need to have FULL ACCESS to the machine. If there is administrative controls in place on the machine (passwords, virus protection, etc.), the teams must know the process to access, modify or disable those. The Technical Committee will not be responsible for computer related issue. Teams are expected to know how to install software on their own machines. You are allowed to bring two machines to the contest.

1) Computer must have a CD/DVD optical drive
2) Computer must have Ethernet port to connect to the PLC used
3) Student should know how to change Ethernet port settings in software (IP Address)
4) Install from link below the Siemens LOGO demonstration software. This should be loaded before coming to Louisville and team member use it to practice building logic functions using the software and testing the operation in the simulator included. The Siemens site has on-line training available.


5) Install the Robocell program from the link below to allow you to practice programming the ER-4 robot. This should be loaded before coming to Louisville.

http://www.intelitekdownloads.com/Software/Robotics/ER4u/Robocell_Scorbase_Setup_7.0.9.8.exe

License code: DEK2-TRCA-W9R4-CUPM-MMML-RQ5C-43A3-42WZ

Be sure to practice the use of both of these software packages as you will be programming with them at the contest. Be sure to bring your laptop, tools and hookup wire with you on Tuesday, the practice day. Your instructor is also allowed to participate on that day to help you with any questions you might have... Be sure to read and be familiar with the National SkillsUSA Technical Standards for the contest.